

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

MINIATURE ROSE PLANT NAMED

'POULpar029'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

*Rosa hybrida*

VARIETY DENOMINATION

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'POULpar029'

The present invention constitutes a new and distinct variety of miniature pot rose plant which originated from a controlled crossing between the female parent  
10 'KORstoffein', described and illustrated in U.S. Plant Patent No. 11,242 dated February 22, 2000, and the male parent, an unnamed seedling. The two parents were crossed and the resulting seeds were planted in a controlled environment. The new variety is named 'POULpar029'.

15 The new rose may be distinguished from its seed parent, 'KORstoffein', by the following combination of characteristics:

1. 'KORstoffein' petals which are Yellow-Orange Group 19D. The same of  
20 'POULpar029' are Red Group 53A.
2. 'KORstoffein' has a petal count of 25 to 30. 'POULpar029' has 30 petals.

The new variety may be distinguished from its pollen parent, unnamed seedling created by the same inventors,

by the following combination of characteristics:

1. The parent has a white flower color,  
whereas 'POULpar029' has a red flower  
color.
- 5           2. The parent plant has a petal count of 13  
to 15, whereas the same of 'POULpar029'  
is 30.

The objective of the hybridization of this rose  
10       variety for commercial culture was to create a new and  
distinct variety with unique qualities, such as:

1. Uniform and abundant flowers;
2. Vigorous and compact growth;
- 15       3. Year-round flowering under glasshouse  
conditions;
4. Suitability for production from softwood  
cuttings in pots;
5. Durable flowers and foliage which make a  
20       variety suitable for distribution in the  
floral industry.

This combination of qualities is not present in  
previously available commercial cultivars of this type,

known to the inventors, and distinguish 'POULpar029' from all other varieties of which we are aware.

As part of their rose development program, L. Pernille Olesen and Mogens N. Olesen germinated the seeds from the aforementioned hybridization and conducted evaluations on the resulting seedlings in a controlled environment in Fredensborg, Denmark.

'POULpar029' was selected by the inventors as a single plant from the progeny of the hybridization in 2000.

Asexual reproduction of 'POULpar029' by cuttings and traditional budding was first done by L. Pernille and Mogens N. Olesen in their nursery in Fredensborg, Denmark in 2001. This initial and other subsequent propagations conducted in controlled environments have demonstrated that the characteristics of 'POULpar029' are true to type and are transmitted from one generation to the next.

#### **BRIEF DESCRIPTION OF THE DRAWING**

The accompanying color illustration shows as true as is reasonably possible to obtain in color photographs of this type, the typical characteristics of the buds,

flowers, leaves, and stems of 'POULpar029'. Specifically illustrated in the drawing:

- 5                    Fig 1.1; Stem showing branching and the  
                         attachment of leaves, buds, and  
                         peduncles;
- Fig 1.2; Flower bud closed, partially open,  
                         and open;
- Fig 1.3; Flower petals, detached;
- Fig 1.4; Sepals, receptacle, and pedicel;
- 10                   Fig 1.5; Bare stem exhibiting thorns;
- Fig 1.6; Juvenile leaves exhibiting  
                         anthocyanin and mature leaves.

#### DETAILED DESCRIPTION OF THE VARIETY

15                   The following is a description of 'POULpar029', as  
observed in its growth in a field nursery in Jackson  
County, Oregon. Observed plants are 3 months of age, and  
were cultivated in 10 cm pots. Color references are made  
20                   using the Royal Horticultural Society (London, England)  
Colour Chart, 1995, except where common terms of color  
are used.

                         For a comparison, several physical characteristics  
of the rose variety 'POULra019', a rose variety from the

same inventors described and illustrated in U.S. Plant  
Patent Application No. 10/336,053 dated January 03, 2003  
are compared to 'POULpar029' in Chart 1.

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**CHART 1**

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	'POULpar029'	'POULra019'
Petal color after opening outer petals.	Outer Side: Red Group 53B. Inner Side: Red Group 53A.	Outer Side: Red Group 53B. Inner Side: Red Group 53B.
Bloom diameter.	35 mm.	40 mm.
Petalage.	30 petals.	13 to 15 petals.

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**Parents:**

Female seed parent: 'KORstoffein'

Male pollen parent: unnamed seedling.

**FLOWER AND FLOWER BUD**

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**Blooming habit:** Continuous.

**Flower bud:**

Size: Upon opening, 19 mm in length

from base of receptacle to end  
of bud. Bud diameter is 10 mm.

Bud form: Pointed ovoid.

Bud color: As sepals unfold, petals are  
5 Red Group 53B to 53C. At  $\frac{1}{4}$   
opening petals are Red Group  
53A.

Sepals:

Upper Surface:

10 Color: Yellow-Green Group 147A to  
Green Group 143C.  
Anthocyanin at sepal  
apexes the color of  
Greyed-Orange Group 176A.

15 Surface: Smooth and lightly  
pubescent.

Lower Surface:

20 Color: Yellow-Green Group 144A.  
Anthocyanin the color of  
Greyed-Orange Group 176A,  
located at sepal apexes.

Texture: Smooth. Very light  
pubescence.

Sepal Shape:

		Sepal apex is cirrhose.
		Base is flat at union with receptacle.
5	Sepal Margin:	2 of the 5 sepals are entire. Medium to weak foliaceous appendages on three of the five sepals. Stipitate glands observed at margins.
10	Size:	20 to 30 mm (l) x 5 mm (w). With foliaceous appendages sepals are 10 mm wide.
	<u>Receptacle:</u>	
15	Surface:	Smooth.
	Shape:	Urn-shaped.
	Size:	5 mm (l) x 5 mm (w).
	Color:	Yellow-Green Group 144A.
	<u>Peduncle:</u>	
20	Surface:	Prickles in medium quantity.
	Length:	40 to 45 mm.
	Color:	Yellow-Green Group 144A.
	Strength:	Upright and strong.



Borne: Singularly.

**Flower bloom:**

Fragrance: Very light floral scent.

5           Duration: As a pot plant, flowers last 18 days.

Size: For a 8-11 cm pot rose, flower diameter is 35 mm when open.  
Flower depth is 15 mm.

10           Form:  
  
General shape is a rosette flower with many slightly overlapping petals of different sizes, arranged.

15  
  
Shape of flower when viewed from the side:

Upon opening, upper part: Flat.

Upon opening, lower part: Flattened  
Convex.

20           Open flower, upper part: Convex.

Open flower, lower part: Flattened  
Convex.

Petalage: On average 30 petals under normal

conditions with 2 petaloids.

Color:

Upon opening, petals:

Outermost petals:

5                      Outer side:        Red Group 53A.

Inner Side: Red Group 53A to Red Group  
46A.

Innermost petals:

Outer side: Red Group 53A.

10 Inner Side: Red Group 53A to Red Group  
46A.

Upon opening, basal petal spots:

Outermost petals:

Outer side: White Group 155A.

15 Inner Side: White Group 155A.

Innermost petals:

Outer side: White Group 155A.

Inner Side: White Group 155A.

After opening, petals:

20                      Outermost petals:

Outer side: Red Group 53B.

Inner Side: Red Group 53A.

Innermost petals:

Outer side: Red Group 53B.

Inner Side: Red Group 53A.

After opening, basal petal spots:

Outermost petals:

Outer Side: White Group 155A.

5 Inner Side: White Group 155A.

Innermost petals:

Outer Side: White Group 155A.

Inner Side: White Group 155A.

10 **General Tonality:** On open flower Red Group 53A.

No change in the general  
tonality at the end of the 10<sup>th</sup>  
day. Afterwards, general  
tonality is Red Group 53A to  
15 53B.

**Petals:**

Petal Reflex: Strongly on outer petals.

Inner petals reflex only  
slightly.

20 Margin: Entire, with a point in the  
center of the apex.

Shape: Overall shape is deltoid.  
Apex is Rounded.  
Base is acute and slightly

rounded.

Size:

Outer petal: 19 mm (l) x 16 mm (w).

Inner petal: 16 mm (l) x 14 mm (w).

5

Texture: Smooth.

Thickness: Thick.

Arrangement: Not Formal.

**Petaloids:**

Quantity: 2 on average.

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Shape: Irregular, deltoid.

Color: Red Group 53A on outer side.

Red Group 53A to Red Group 46A  
on inner side.

Size: 10 mm (l) x 6 mm (w).

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**Reproductive Organs:**

Pistils:

Length: 4 mm.

Quantity: 35 (actual count).

20

Pollen:

None observed.

Anthers:

Size: 2 mm long.

Color: Yellow Group 12C.

Quantity: 55 (actual count).

Filaments:

Color: Yellow Group 11C with  
intonations of Red Group 41C.

5 Length: 4 to 5 mm.

Stigmas: Inferior in location relative  
to the height of the anthers.

Color: Greyed-Yellow Group 162D.

Styles:

10 Color: Greyed-Yellow Group 162D.

Hips: None observed plants cultivated in  
10 cm pots.

15 PLANT

**Plant growth:** Vigorous, compact, upright to bushy.

When grown as a 8-11 cm pot plant,  
the average height of the plant  
itself is 18 cm and the average  
20 width is 10 cm.

**Stems:**

Color:

Young wood: Yellow-Green Group 146A.

Older wood: Yellow-Green Group 146A.

Internodal distance: 15 mm.

Length of stems: 13 cm.

Surface Texture:

Young wood: Smooth.

5 Older wood: Smooth.

**Thorns:**

Incidence: 7 to 9 mm per 10 cm of  
stem.

Size: Average length: 4 mm.

10 Color: Greyed-Red Group 179D.

Shape: Linear.

**Plant foliage:** Normal number of leaflets on normal  
leaves in middle of the stem: 5  
leaflets.

15 Compound Leaf size: 75 mm (l) x 41 mm (w)

Quantity: 8 leaves per 10 cm of stem.

Color:

Juvenile foliage:

20 Upper Leaf Surface is Yellow-Green  
Group 144A.

Lower Leaf Surface is Yellow-Green  
Group 147C with anthocyanic  
pigmentation the color of Greyed-  
Orange Group 177A to 176B.

Mature foliage:

Upper Leaf Surface is Green Group  
147A.

Lower Leaf Surface is Greyed-Green  
Group 194A.

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Anthocyanin intonation:

Location: On plants grown under high  
light conditions, leaf  
margins of developing  
leaves and the undersides  
of juvenile foliage may  
exhibit anthocyanic  
intonations of Greyed-  
Orange Group 177A to 176B.

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**Plant leaves and leaflets:**

Stipules:

Size: 15 mm (l) x 4 mm (w).

Shape: Linear, slightly broad  
based with outward  
extending apices.  
Extensions are 5 mm in  
length.

20

Margins: Finely serrated with  
stipitate glands.  
Color: Yellow-Green Group 146A.

5

Petiole:

Length: 23 mm.  
Color:

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Above: Yellow-Green Group 146B  
with intonations of  
Greyed-Orange Group 176A.  
Underneath: Yellow-Green Group 144B.  
Small prickles observed.  
Margins: Stipitate glands observed.

Rachis:

15

Size: 20 mm.  
Color:

20

Above: Yellow-Green Group 146B  
with intonations of  
Greyed-Orange Group 176A.  
Underneath: Yellow-Green Group 144B.  
Small prickles normally  
located mid-way between  
leaflets.  
Margins: Stipitate glands observed.



Leaflet:

	Size:	31 mm (l) x 18 mm (w).
	Edge:	Serrated.
5	General Shape:	Elliptical.
	Apex Shape:	Acute.
	Base Shape:	Round to acute.
	Texture:	Smooth.
	Arrangement:	Odd pinnate.
10	Venation:	Reticulate.
	Leaf Gloss:	Moderately glossy.

**Disease resistance:**

Average resistance to mildew, black spot, and  
15 Botrytis under normal growing conditions in a greenhouse  
located in Burlington, Ontario.